Claims

What is claimed is:

1. An arc tube for a discharge bulb in which both ends of a light emitting tube inserting electrodes respectively are sealed and a closed space having the electrodes opposed to each other and filled with a light emitting substance with a rare gas for starting is provided in the light emitting tube, wherein the light emitting tube comprises translucent ceramics formed substantially cylindrically and has a ratio d/L of an outside diameter d to a whole length L ranging from 0.2 to 0.5.

2. The arc tube for a discharge bulb according to claim 1, wherein the light emitting tube has a thickness of 0.25 mm to 1.2 mm.

3. An arc tube for a discharge bulb in which both ends of a light emitting tube inserting electrodes respectively are sealed and a closed space having the electrodes opposed to each other and filled with a light emitting substance together with a rare gas for starting is provided in the light emitting tube, wherein the light emitting tube comprises translucent ceramics formed substantially cylindrically and has a parallel ray transmittance of 20% or less and a whole ray transmittance of 85% or more.

4. An arc tube for a discharge bulb comprising a light emitting tube formed using translucent ceramics and having a ratio d/L of an outside diameter d to a whole length L ranging from about 0.2 to about 0.5.

5. The arc tube for a discharge bulb according to claim 4, wherein the light emitting tube has a substantially cylindrical shape.

6. An arc tube for a discharge bulb comprising a light emitting tube, formed in a substantially cylindrical shape using translucent ceramics and having a parallel ray transmittance of 20% or less and a whole ray transmittance of 85% or more.